

**SEARCH REQUEST FORM**

Scientific and Technical Information Center

Requester's Full Name: PAUL ROYAL Examiner #: 78293 Date: 9/17/02  
 Art Unit: 3611 Phone Number 30 8-4570 Serial Number: 09 903 433  
 Mail-Box and Bldg/Room Location: 5-5020 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

\*\*\*\*\*

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Luggage Rack and Backrest Mounting System  
 Inventors (please provide full names): Stephen L. Galbraith, Brian R. Sucharski

Earliest Priority Filing Date: 07/11/2001

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Mounting system for motorcycle backrest / luggage rack.

Key words: motorcycle, luggage rack, seat, arcuate mount surface, threaded fastener, backrest, collar.

Assignee = Harley Davidson

**STAFF USE ONLY**

	Type of Search	Vendors and cost where applicable
Searcher: <u>KCJ</u>	NA Sequence (#) _____	STN <u>✓ 78-44</u>
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
Searcher Location: <u>9/05</u>	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: _____	Bibliographic _____	Dr.Link _____
Date Completed: _____	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: <u>30</u>	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family <u>✓</u>	WWW/Internet _____
Online Time: _____	Other <u>✓</u>	Other (specify) _____

show files;ds

File 350:Derwent WPIX 1963-2002/UD,UM &UP=200261

(c) 2002 Thomson Derwent

File 344:Chinese Patents Abs Aug 1985-2002/Sep

(c) 2002 European Patent Office

File 347:JAPIO Oct 1976-2002/May(Updated 020903)

(c) 2002 JPO & JAPIO

File 371:French Patents 1961-2002/BOPI 200209

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Set	Items	Description
S1	7	AU='GALBRAITH S L'
S2	4	AU='SUCHARSKI B'
S3	2	(S1 OR S2) AND LUGGAGE?
S4	16605	BACK(2N)REST? OR BACKREST?
S5	10592	SEATBACK? OR SEAT()BACK
S6	21206	MOTORCYCLE? OR MOTOR()CYCLE?
S7	2091	(LUGGAGE? OR BAGGAGE? OR BELONGINGS OR SUITCASE?) (3N) (SUPP- ORT? OR MOUNT? OR HOLD? OR RACK?)
S8	283200	REMOVAB? OR MOVEABL? OR DETACHABL?
S9	4	(S4 OR S5) AND S6 AND S7 AND S8

3/7/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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013685542 \*\*Image available\*\*  
WPI Acc No: 2001-169766/200118

**\*\*Luggage\*\* rack and backrest unit for motorcycles has mounting carrier with \*\*luggage\*\* rack and backrest fastened to it, and carrier fastened to rear mudguard via concealed fasteners**

Patent Assignee: HARLEY-DAVIDSON MOTOR CO (HARL-N); HARLEY-DAVIDSON MOTOR CO GROUP INC (HARL-N)

Inventor: DREA R W; ~~GALBRAITH S L~~; ~~\*\*SUCHARSKI B\*\*~~

Number of Countries: 003 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 10034317	A1	20010301	DE 1034317	A	20000714	200118 B
JP 2001055184	A	20010227	JP 2000228082	A	20000728	200128
US 6390220	B1	20020521	US 99362590	A	19990728	200239

Priority Applications (No Type Date): US 99362590 A 19990728

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 10034317	A1		8	B62J-007/02	
JP 2001055184	A		8	B62J-007/04	
US 6390220	B1			B62D-061/02	

Abstract (Basic): DE 10034317 A1

NOVELTY - The motorcycle has a mounting carrier (20), connected to its frame and positioned below the seat. A **\*\*luggage\*\*** rack (18) is fastened detachable to the mounting carrier. The carrier is connected to the rear mudguard (16) above the wheel, via fastening elements (28,29,30,31,40,58,59) positioned under the seat. The backrest is fastened to an upright arm (23) of the L-shaped mounting carrier, while its base section (22) is fastened to the rear mudguard under the passenger seat.

USE - Motorcycles.

ADVANTAGE - Mounting carrier is concealed, to improved appearance.

DESCRIPTION OF DRAWING(S) - Figure shows exploded view of unit. mudguard (16)

~~\*\*luggage\*\* rack~~ (18)  
mounting carrier (20)  
carrier section (22,23)  
fasteners (28,29,30,31,40,58,59)  
pp; 8 DwgNo 3/4

Derwent Class: Q22; Q23

International Patent Class (Main): B62D-061/02; B62J-007/02; B62J-007/04

International Patent Class (Additional): B62J-001/28; B62J-015/00

3/7/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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011478577 \*\*Image available\*\*  
WPI Acc No: 1997-456484/199742

**Readily attachable and detachable \*\*luggage\*\* carrier for motorcycle - has \*\*luggage\*\* support and latching member for automatically securing \*\*luggage\*\* carrier to mounting member upon movement of carrier toward mounting member**

Patent Assignee: HARLEY-DAVIDSON MOTOR CO (HARL-N)

Inventor: ~~\*\*GALBRAITH S L\*\*~~; GOGAN D M; WILLIAMS G T

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5664715	A	19970909	US 95504919	A	19950720	199742 B

Priority Applications (No Type Date): US 95504919 A 19950720

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5664715	A		11	B62J-007/00	

Abstract (Basic): US 5664715 A

The **\*\*luggage\*\*** carrier comprises a **\*\*luggage\*\*** support portion, at least one pivot support connected to the **\*\*luggage\*\*** support portion and adapted to detachably pivotally engage the first mounting member. At least one latching support is connected to the **\*\*luggage\*\*** support portion and spaced from the pivot support and adapted to engage the second mounting member. A latching member is movably mounted on the latching support, and movable between a latched position. The latching support is secured to the second mounting member, and an unlatched position.

A locking member is mounted for movement relative to the latching member, and movable between a locked position. The latching member is secured in the latched position, and an unlocked position.

ADVANTAGE - Can be installed onto and removed from a mounting member without the need for tools.

Dwg.2/13

Derwent Class: Q23

International Patent Class (Main): B62J-007/00

International Patent Class (Additional): B62J-009/00; B62J-011/00

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9/7/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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013685542 \*\*Image available\*\*

WPI Acc No: 2001-169766/200118

**\*\*Luggage\*\* \*\*rack\*\* and \*\*backrest\*\* unit for \*\*motorcycles\*\* has  
\*\*mounting\*\* carrier with \*\*luggage\*\* \*\*rack\*\* and \*\*backrest\*\* fastened  
to it, and carrier fastened to rear mudguard via concealed fasteners**

Patent Assignee: HARLEY-DAVIDSON MOTOR CO (HARL-N); HARLEY-DAVIDSON MOTOR  
CO GROUP INC (HARL-N)

Inventor: DREA R W; GALBRAITH S L; SUCHARSKI B

Number of Countries: 003 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 10034317	A1	20010301	DE 1034317	A	20000714	200118 B
JP 2001055184	A	20010227	JP 2000228082	A	20000728	200128
US 6390220	B1	20020521	US 99362590	A	19990728	200239

Priority Applications (No Type Date): US 99362590 A 19990728

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
DE 10034317	A1		8 B62J-007/02	
JP 2001055184	A		8 B62J-007/04	
US 6390220	B1		B62D-061/02	

Abstract (Basic): DE 10034317 A1

NOVELTY - The **\*\*motorcycle\*\*** has a mounting carrier (20), connected to its frame and positioned below the seat. A **\*\*luggage\*\* \*\*rack\*\*** (18) is fastened **\*\*detachable\*\*** to the mounting carrier. The carrier is connected to the rear mudguard (16) above the wheel, via fastening elements (28,29,30,31,40,58,59) positioned under the seat. The **\*\*backrest\*\*** is fastened to an upright arm (23) of the L-shaped mounting carrier, while its base section (22) is fastened to the rear mudguard under the passenger seat.

USE - **\*\*Motorcycles\*\***.

ADVANTAGE - Mounting carrier is concealed, to improved appearance.

DESCRIPTION OF DRAWING(S) - Figure shows exploded view of unit.  
mudguard (16)

**\*\*luggage\*\* \*\*rack\*\*** (18)

mounting carrier (20)

carrier section (22,23)

fasteners (28,29,30,31,40,58,59)

pp; 8 DwgNo 3/4

Derwent Class: Q22; Q23

International Patent Class (Main): B62D-061/02; B62J-007/02; B62J-007/04

International Patent Class (Additional): B62J-001/28; B62J-015/00

9/7/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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013421864 \*\*Image available\*\*

WPI Acc No: 2000-593803/200056

**Adjustable attachment system for a \*\*motorcycle\*\* bag that can be  
~~\*\*removably\*\* attached to a \*\*backrest\*\* of a \*\*motorcycle\*\*~~**

Patent Assignee: LOVITT T (LOVI-T)

Inventor: LOVITT T

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6123239	A	20000926	US 99306124	A	19990506	200056 B

Priority Applications (No Type Date): US 99306124 A 19990

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6123239	A		6	B62J-011/00	

Abstract (Basic): US 6123239 A

NOVELTY - A travel bag for a **motorcycle** is disclosed that can be easily attached and removed from a variety of different size **motorcycle** seat backs or sissy bars and ensures that the bag is secure during **motorcycle** operation. The bag carries a series of vertically aligned straps on the exterior surface of the bag that faces the front of the **motorcycle**. Each strap is adjustable in length to fit a variety of **seat back** widths. The height of the **seat back** or sissy bar determines how many straps are used. The straps are located on the bag so that the bottom of the bag may rest on the **luggage rack** when the bag is appropriately affixed to the **seat back**. Additional straps fasten the bag down to the **luggage rack** or the **seat back** itself, to prevent the bag from being lifted off at high speeds.

USE - Adjustable attachment system for a **motorcycle** bag that can be **removably** attached to a **backrest** of a **motorcycle**.

DESCRIPTION OF DRAWING(S) - A perspective view of a **motorcycle** bag, mounted to the **backrest** of a **motorcycle** rear seat.

bag (1)  
front surface (3)  
rear surface (5)  
top surface (7)  
bottom surface (9)  
side surfaces. (11 and 13)  
pp; 6 DwgNo 1/5

Derwent Class: Q23

International Patent Class (Main): B62J-011/00

9/7/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011775544 **Image available**

WPI Acc No: 1998-192454/199817

**Luggage rack and backrest assembly for motorcycle - has securing device securing position of adjustment member relative to luggage rack portion, including transverse rod at least partially extending through adjustment member**

Patent Assignee: HARLEY-DAVIDSON MOTOR CO (HARL-N)

Inventor: ZAGRODNIK P J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5725138	A	19980310	US 96686752	A	19960726	199817 B

Priority Applications (No Type Date): US 96686752 A 19960726

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5725138	A		9	B62J-001/28	

Abstract (Basic): US 5725138 A

The **luggage rack and backrest assembly** comprises a **luggage rack** portion. An adjustment member is slidably connected to the **luggage rack** portion. A **backrest** **detachably** connected to the adjustment member. The **backrest** is secured to the adjustment member via **removable** fasteners. The **removable** fasteners comprise threaded bolts.

A securing device secures the position of the adjustment member relative to the **luggage rack** portion. The securing device

includes a transverserod at least partially extending through the  
adjustment member.

ADVANTAGE - Is adjustable and accommodates different sized riders.

Dwg.1, 4/6

Derwent Class: Q23

International Patent Class (Main): B62J-001/28

9/7/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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002327459

WPI Acc No: 1980-D3896C/198015

Ice chest on rear **\*\*luggage\*\*** **\*\*rack\*\*** on **\*\*motorcycle\*\*** - has

compartment for dry goods, movable tray and fresh water compartment

Patent Assignee: JEFFERSON J A (JEFF-I)

Inventor: JEFFERSON J A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4195757	A	19800401				198015 B

Priority Applications (No Type Date): US 77822240 A 19770805; US 80130379 A  
19800314

Abstract (Basic): US 4195757 A

An ice chest is included in a container which is suitable for mounting upon a rear track or carrier on a **\*\*motorcycle\*\***. The container includes a second, separate compartment for containing dry goods which is positioned adjacent the ice compartment for maintaining such goods in a cooled condition.

The ice compartment houses a **\*\*removable\*\*** tray which supports beverage containers adapted to be kept cold within the chest. The ice compartment and dry compartment include separate covers and locking or closure devices. A fresh water compartment is also provided within the ice compartment and has an externally accessible tap extending through the side wall of the chest. drainage for the water resulting from melting ice is also provided for, and the rear of the chest has a padded **\*\*back\*\*** **\*\*rest\*\*** mounted on it for the rider of the **\*\*motorcycle\*\***.

Derwent Class: Q23

International Patent Class (Additional): B62J-007/04

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File 2:INSPEC 1969-2002/Sep W4  
(c) 2002 Institution of Electrical Engineers  
File 6:NTIS 1964-2002/Sep W4  
(c) 2002 NTIS, Intl Cpyrght All Rights Res  
File 8:Ei Compendex(R) 1970-2002/Sep W3  
(c) 2002 Engineering Info. Inc.  
File 14:Mechanical Engineering Abs 1973-2002/Sep  
(c) 2002 Cambridge Sci Abs  
File 25:Weldasearch 1966-2002/Apr  
(c) 2002 TWI Ltd  
File 32:METADEX(R) 1966-2002/Sep B2  
(c) 2002 Cambridge Scientific Abs  
File 34:SciSearch(R) Cited Ref Sci 1990-2002/Sep W4  
(c) 2002 Inst for Sci Info  
File 63:Transport Res(TRIS) 1970-2002/Aug  
(c) fmt only 2002 Dialog Corp.  
File 65:Inside Conferences 1993-2002/Sep W4  
(c) 2002 BLDSC all rts. reserv.  
File 81:MIRA - Motor Industry Research 2001-2002/Sep  
(c) 2002 MIRA Ltd.  
File 94:JICST-EPlus 1985-2002/Jul W4  
(c) 2002 Japan Science and Tech Corp(JST)  
File 95:TEME-Technology & Management 1989-2002/Sep W4  
(c) 2002 FIZ TECHNIK  
File 96:FLUIDEX 1972-2002/Sep  
(c) 2002 Elsevier Science Ltd.  
File 99:Wilson Appl. Sci & Tech Abs 1983-2002/Aug  
(c) 2002 The HW Wilson Co.  
File 103:Energy SciTec 1974-2002/Aug B2  
(c) 2002 Contains copyrighted material  
File 108:AEROSPACE DATABASE 1962-2002/Aug  
(c) 2002 AIAA  
File 118:ICONDA-Intl Construction 1976-2002/Sep  
(c) 2002 Fraunhofer-IRB  
File 144:Pascal 1973-2002/Sep W4  
(c) 2002 INIST/CNRS  
File 238:Abs. in New Tech & Eng. 1981-2002/Sep  
(c) 2002 Cambridge Scient. Abstr  
File 292:GEOBASE(TM) 1980-2002/Sep  
(c) 2002 Elsevier Science Ltd.  
File 293:Eng Materials Abs(R) 1986-2002/Sep  
(c) 2002 Cambridge Scientific Abs  
File 323:RAPRA Rubber & Plastics 1972-2002/Nov  
(c) 2002 RAPRA Technology Ltd  
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 1998 Inst for Sci Info

Set	Items	Description
S1	7	AU='GALBRAITH S L'
S2	0	AU='SUCHARSKI B'
S3	0	(S1 OR S2) AND LUGGAGE?
S4	1474	BACK(2N)REST? OR BACKREST?
S5	742	SEATBACK? OR SEAT()BACK
S6	16185	MOTORCYCLE? OR MOTOR()CYCLE?
S7	176	(LUGGAGE? OR BAGGAGE? OR BELONGINGS OR SUITCASE?) (3N) (SUPP- ORT? OR MOUNT? OR HOLD? OR RACK?)
S8	25479	REMOVAB? OR MOVEABL? OR DETACHABL?
S9	0	(S4 OR S5) AND S6 AND S7 AND S8
S10	0	S7 AND S6 AND (S4 OR S5)
S11	3	S7 AND S6
?		



11/7/1 (Item 1 from file: 63)  
DIALOG(R)File 63:Transport Res(TRIS)  
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00392300 DA  
**TITLE: THE RETURN OF THE TWO-WHEELER (INCREASING U.S. \*MOTORCYCLE\*  
/MOPED/SCOOTER SALES)**  
AUTHOR(S): Brophy, B  
CORPORATE SOURCE: Forbes Incorporated, 60 Fifth Avenue, New York, NY, 10011

REPORT NUMBER: HS-028 914  
JOURNAL: Forbes Vol: 125 Issue Number: 10 Pag: pp 61-62  
PUBLICATION DATE: 19800512 PUBLICATION YEAR: 1980  
LANGUAGE: English SUBFILE: HSL (S 8502)  
AVAILABILITY: Forbes Incorporated; 60 Fifth Avenue ; New York; NY  
; 10011  
DATA SOURCE: National Highway Traffic Safety Administration  
ABSTRACT: U.S. registration figures for \*motorcycles\* in January-February  
1980 total 65,490, 48% above 1979. Possible explanations for this large  
increase include: higher gasoline prices, inflation psychology,  
demographics (the huge population bulge between ages 20 and 30), and  
the desire for excitement. The \*Motorcycle\* Industry Council projects  
the following sales figures for 1980: 1.2 million \*motorcycles\*, priced  
from \$1500 to \$9000; 360,000 mopeds, priced from \$400 to \$1000; and  
20,000 scooters, priced up to \$1800. Increasing at a faster rate than  
the cycle industry is the \*motorcycle\* accessory business (e.g.  
\*luggage\* \*racks\*, jackets, helmets). Of the top five sellers, four are  
Japanese (Honda, Yamaha, Kawasaki, and Suzuki); the fifth is  
Harley-Davidson. The five make up 96% of the U.S. market, which is  
broadly split into three segments: small (400 cc and under engines,  
\$2000 or less); medium (400 cc to 750 cc, \$2000 to \$3500); and large  
(750 cc and up, upwards of \$3500). \*Motorcycle\* dealers report that  
more of their customers are ordinary working people and professionals.  
Although many buyers of mopeds are teenagers, a growing number are  
white-collar workers in their 30's and 40's. California is the number  
one sales market (13%). Safety and social image problems continue to be  
associated with \*motorcycles\*, offsetting the view of \*motorcycles\* as  
economical transportation. In 1979, there were 4850 \*motorcycle\*  
fatalities in the U.S.; the fatality rate rose from 6.8/10,000  
registered bikes in 1974 to 9.7, possibly due to the increase in  
first-time riders, the most likely group to be accident involved.

11/7/2 (Item 2 from file: 63)  
DIALOG(R)File 63:Transport Res(TRIS)  
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00369677 DA  
**TITLE: PHYSICAL CHARACTERISTICS OF ACCESSORY-EQUIPPED \*MOTORCYCLES\***  
AUTHOR(S): Chikada, T; Yoshida, K  
CORPORATE SOURCE: Honda Research and Development Company Limited, Tokyo,  
Japan  
REPORT NUMBER: HS-031 138  
Pag: 20p  
SUPPLEMENTAL NOTES: Published in HS-031 132, "International Motorcycle  
Safety Conference Proceedings. Volume 4: Supplementary Papers,"  
Linthicum, Md., 1980, 1539-58. Conference held in Washington, D.C.,  
18-23 May 1980.  
PUBLICATION DATE: 19800000 PUBLICATION YEAR: 1980  
LANGUAGE: English SUBFILE: HSL (S 8302)  
AVAILABILITY: National Highway Traffic Safety Administration; 400 7th  
Street, SW ; Washington; DC ; 20590  
DATA SOURCE: National Highway Traffic Safety Administration  
ABSTRACT: Theoretical studies and field tests evaluated the relationship  
between \*motorcycle\* accessories and operational performance (handling

and stability). The accessories include fork- and frame-mounted\* windscreen fairings, \*luggage\* \*racks\*, and saddlebags. Overall, these types of accessories do not appear to have a significant adverse effect on cycle operating characteristics, when installed and used in a manner consistent with good practice and manufacturer's recommendations. Data are presented on three example \*motorcycles\* of varying engine size and gross weight. Results indicate that high speed stability is affected by the weight of luggage being carried, with 30 kg being the upper limit beyond which care must be exercised in riding.

11/7/3 (Item 1 from file: 323)

DIALOG(R)File 323:RAPRA Rubber & Plastics

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00123142

**TITLE: SUPERTOUGH POLYAMIDES**

CORPORATE SOURCE: DU PONT DE NEMOURS E.I., & CO. INC.

SOURCE: Poliplasti e Material Rinforzati; 26, No.246, May 1978, p.105-7

JOURNAL ANNOUNCEMENT: 197810 RAPRA UPDATE: 198201

DOCUMENT TYPE: Journal Article

LANGUAGE: Italian

ABSTRACT: ZYTEL ST IS A NYLON 66 CHARACTERISED BY HIGH IMPACT RESISTANCE AND SUPERIOR MECHANICAL PROPERTIES. TABLES ALSO SHOW THERMAL PROPERTIES, WATER ABSORPTION AND FLAMMABILITY. APPLICATIONS IN TOOTHED \*MOTOR\* \*CYCLE\* WHEELS, BICYCLE WHEELS, GEAR WHEELS, CAR \*LUGGAGE\* \*RACKS\* AND HANDLES FOR ELECTRICAL APPLIANCES ARE DESCRIBED.

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